

**Re: Schedule NWOD Meetings for October 8, November 12, December 10?**

**Kathryn Hernandez** to: pfuglevand

06/26/2012 12:48 PM

From: Kathryn Hernandez/R8/USEPA/US

To:

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August 20th wont work. August 27th will work.

October 8th will work. November 12th is Veterans Day, so either the 5th or the 19th will work. For December the 3rd or the 17th will work.

Kathy  
Kathryn Hernandez  
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-----"Paul Fuglevand" <pfuglevand@dofnw.com> wrote: -----

To: Kathryn Hernandez/R8/USEPA/US@EPA

From: "Paul Fuglevand" <pfuglevand@dofnw.com>

Date: 06/25/2012 10:41AM

Subject: Schedule NWOD Meetings for October 8, November 12, December 10?

Kathy, here are suggested **monthly NWOD agency coordination meetings, on Mondays**. I would like to get them on the calendar for everyone:

- Monday October 8, 2012
- Monday November 12, 2012
- Monday December 10, 2012

Will these dates work for you?

These are in addition to the meetings we have **already scheduled**:

- Monday August 20, 2012, Pre-Construction Meeting
- Monday September 10, 2012, Agency Coordination and Chevron Segment 2B Feasibility Study

I would also prefer to schedule rest of the **weekly construction progress meetings on Wednesdays**, as I have a standing commitment in Seattle on Monday evenings.

Would that work for you?

Paul Fuglevand  
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**From:** Kathryn Hernandez [mailto:Hernandez.Kathryn@epamail.epa.gov]  
**Sent:** Monday, June 25, 2012 7:56 AM  
**To:** pfuglevand@dofnw.com  
**Subject:** RE: NWOD - possible use of Portland Cement for stabilization

What were the dates we finally picked for the 2 upcoming meetings?

Kathryn Hernandez  
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-----"Paul Fuglevand" <[pfuglevand@dofnw.com](mailto:pfuglevand@dofnw.com)> wrote: -----

To: "Bill Rees" <[brees@utah.gov](mailto:brees@utah.gov)>  
From: "Paul Fuglevand" <[pfuglevand@dofnw.com](mailto:pfuglevand@dofnw.com)>  
Date: 06/21/2012 06:08PM  
Cc: Kathryn Hernandez/R8/USEPA/US@EPA, "Elizabeth Palmer" <[epalmer@utah.gov](mailto:epalmer@utah.gov)>, "Laura Briefer" <[laura.briefer@slcgov.com](mailto:laura.briefer@slcgov.com)>, "Pak, Eugene" <[EugenePak@chevron.com](mailto:EugenePak@chevron.com)>, "Rob Webb" <[rwebb@dofnw.com](mailto:rwebb@dofnw.com)>, "Skance, John" <[John.Skance@bp.com](mailto:John.Skance@bp.com)>  
Subject: RE: NWOD - possible use of Portland Cement for stabilization

Bill, in response to your questions:

1. the contractor has requested consideration of using standard Portland Cement to stabilize NWOD sediment, the same material that is used to make commercial concrete. He is not requesting consideration of fly ash. I will ask him to track down a MSDS for the Portland Cement.
2. Zap Zorb is a polymer that simply binds up water to pass Paint Filter Test-- it is used in baby diapers and in food storage. But it does not really improve the strength of the sediment. Portland Cement reacts with the water to form concrete, so it both eliminates free water and improves the strength of the material.
3. We have not spoken with Pac West yet, but based on past conversations we anticipate a favorable response. We will approach them next week.

I am responding to you before I have all of the information as I would like to keep this conversation moving. Does this information help at all.

Are you inclined to consider Portland Cement, if we stay away from fly ash. Or do you have a general objection to using any pozzolan including cement. If you opposed to Portland Cement then maybe I don't need to spend much more time pursuing it. If it is a possibility then we will keep checking into it.

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**From:** Bill Rees [<mailto:brees@utah.gov>]

**Sent:** Thursday, June 21, 2012 2:57 PM

**To:** [pfuglevand@dofnw.com](mailto:pfuglevand@dofnw.com)

**Cc:** [hernandez.kathryn@epa.gov](mailto:hernandez.kathryn@epa.gov); Elizabeth Palmer

**Subject:** Re: NWOD - possible use of Portland Cement for stabilization

Paul,

To help us further evaluate your request, please provide the MSDS sheet(s) and other applicable product information for the Pozzolan reagent.

In addition, please indicate how this reagent is different than the ZapZorb previously used at the site and indicate if PAC West will accept sediments solidified with the Pozzolan reagent.

Is fly ash present between 5-10% weight?

Thanks,

Bill

Bill Rees, P.G.

VCP/Brownfields Section Manager

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>>> "Paul Fuglevand" <[pfuglevand@dofnw.com](mailto:pfuglevand@dofnw.com)> 6/19/2012 6:01 PM >>>

Bill, Liz, and Kathy, the NWOD contractor for Segment 2A (ENTACT) has asked if it would be possible to use a pozzolan-type reagent to solidify canal sediments. It would improve handling and transportation. We raised Bill's concerns regarding fly ash material, and the contractor said that use of Portland Cement (PC) would be viable at 5%-10% by weight.

ENTACT has successfully implemented this methodology on a large-scale project with very similar sediments under similar canal flow bypass conditions and requirements. The proposed PC dosage would be utilized in two phases. Phase I would introduce PC to the canal sediments as the sediments are being handled within, and excavated from, the canal. The PC would be delivered via excavator bucket or SuperSack to minimize air quality impacts and to facilitate the accurate dosing and delivery of the PC to the sediments. The partially solidified sediments would then be placed into dump trucks and delivered to a central location for Phase II PC treatment in order to meet the requirements for offsite transportation and disposal.

As part of our initial review of the contractor's suggestion I wanted to see if either of you had specific concerns regarding the use of PC, including as an in-canal stabilizing agent. I would appreciate your input at this early stage. Thanks.

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